

Title (en)
COMPOSITIONS COMPRISING NANOPARTICLES FUNCTIONALIZED WITH AN ALPHA-HYDROXY ACID OR SALT, ARTICLES, AND METHODS

Title (de)
ZUSAMMENSETZUNGEN MIT ALPHA-HYDROXYSÄURE- ODER -SALZFUNKTIONALISIERTEN NANOPARTIKELN UND VERFAHREN

Title (fr)
COMPOSITIONS COMPRENANT DES NANOPARTICULES FONCTIONNALISÉES AVEC UN ACIDE OU UN SEL ALPHA-HYDROXY, ARTICLES ET PROCÉDÉS

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Application
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Abstract (en)
[origin: WO2018005088A1] A composition is provided, including water, a base, and surface-modified inorganic oxide nanoparticles dispersed in the water. The nanoparticles are functionalized with an alpha-hydroxy acid or its salt. An article is also provided, including a substrate and layers containing bi-layers. A portion of the layers include surface-modified inorganic oxide nanoparticles functionalized with an alpha-hydroxy acid or its salt. A dielectric mirror is also provided, including a substrate, a first stack of bi-layers disposed on the substrate, and a second stack of bi-layers positioned in planar contact with the first stack. The second stack of bi-layers exhibits a refractive index of less than 1.50. Further, an exposed lens retroreflective article is provided including a binder layer, a layer of transparent microspheres partially embedded in the binder layer, and a reflective layer between the binder layer and the microspheres including a dielectric mirror. Additionally, methods of making compositions and articles are provided.

IPC 8 full level
C09D 7/40 (2018.01)

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